

## INTERNATIONAL SEARCH REPORT

10/521720

PC 03/03175

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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04B1/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 220 456 A (NOKIA CORP) 3 July 2002 (2002-07-03) paragraphs '0012!-'0016!; figures 2-4 paragraph '0002!, sentences 24-26	1-9
X	DE 101 00 152 A (SIEMENS AG) 4 July 2002 (2002-07-04) * abstract * paragraph '0010!	1-9
X	US 6 414 562 B1 (BOUISSE GERARD JEAN LOUIS ET AL) 2 July 2002 (2002-07-02) * abstract * column 4, line 43 - line 58	1-9
A	US 2001/010483 A1 (AKIYA MAKOTO) 2 August 2001 (2001-08-02) * abstract *	1-9
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☒ Further documents are listed in the continuation of box C. ☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- \*&\* document member of the same patent family

Date of the actual completion of the International search

6 October 2003

Date of mailing of the international search report

28/10/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 4 985 686 A (DAVIDSON ROBERT P ET AL) 15 January 1991 (1991-01-15) * abstract *	1-9
A	EP 1 076 374 A (MURATA MANUFACTURING CO) 14 February 2001 (2001-02-14) cited in the application * abstract *	1-9
A	EP 0 741 463 A (NIPPON DENSO CO) 6 November 1996 (1996-11-06) cited in the application * abstract *	1-9
A	US 6 320 547 B1 (JOHNSON HENRY CHARLES ET AL) 20 November 2001 (2001-11-20) column 5, line 33 - line 61	6,7

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